



Lawrence B. Somers
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April 1, 2021

VIA ELECTRONIC FILING

Ms. Kimberley A. Campbell, Chief Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4300

**RE: Duke Energy Carolinas, LLC's Semiannual Lighting Conversion
Progress Report (April 2021)
Docket No. E-7, Sub 1146**

Dear Ms. Campbell:

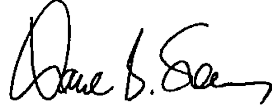
Pursuant to the March 2, 2018 Amended Partial Settlement Agreement with the North Carolina League of Municipalities, City of Concord, City of Kings Mountain and City of Durham, which was approved in the Commission's June 22, 2018 *Order Accepting Stipulation, Deciding Contested Issues and Requiring Revenue Reduction*, I enclose Duke Energy Carolinas, LLC's ("DEC") Semiannual Lighting Conversion Report (the "Report") for filing in connection with the referenced matter. The Report documents the actual progress of DEC's mercury vapor ("MV") lighting fixture replacement program through December 31, 2020, as well as a projection through December 31, 2021. It includes the geographic areas targeted, the number of MV fixtures to be replaced, the number and type of fixtures that replaced existing MV fixtures and an estimate of the revenue impact associated with those fixtures on an annual basis. This data is provided by DEC operation center, which supports municipalities within its respective region. Please note that these projections only reflect actual and planned proactive replacements, and exclude any customer-requested replacements.

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Apr 01 2021

Thank you for your attention to this matter. If you have any questions, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "Lawrence B. Somers". The signature is fluid and cursive, with a large initial "L" and "S".

Lawrence B. Somers

Enclosure

cc: Parties of Record

Duke Energy Carolinas, LLC
Outdoor Lighting Schedule PL
Mercury Vapor Conversion Project Semiannual Report
2020 / 2021 Schedule By Duke Energy Operations Center

ZONE	OP CENTER	MV_PRICE_SCHD_NAME	LED_PRICE_SCHD_NAME	Quantity	Actual YTD through June 30, 2020		Actual July through December 2020		Actual YE 2020						
					Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.			
CENTRAL METRO	LITTLE ROCK	PL-MV152-URB-IN-NC	PL-LED150-EP-NC	10		\$2.96	\$35.58	319	\$95.79	\$1,149.49	329	\$98.76	\$1,185.07		
		PL-MV152-URB-OUT-NC	PL-LED150-EP-NC	0		\$0.00	-\$0.04	2	-\$0.10	-\$1.25	2	-\$0.11	-\$1.29		
		PL-MV393-URB-IN-NC	PL-LED220-EP-NC	0		-\$1.66	-\$19.97	7	-\$53.75	-\$645.04	7	-\$55.42	-\$665.00		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	0		\$1.09	\$13.03	13	\$35.07	\$420.83	13	\$36.15	\$433.86		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	65		\$78.59	\$943.14	2,099	\$2,539.21	\$30,470.52	2,163	\$2,617.80	\$31,413.66		
		PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC	0		\$0.15	\$1.76	6	\$4.73	\$56.73	6	\$4.87	\$58.49		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC	2		\$0.82	\$9.90	74	\$26.65	\$319.83	76	\$27.48	\$329.73		
		PL-MV75-URB-OUT-NC	PL-LED50-EP-NC	0		\$0.00	\$0.00	1	\$0.00	\$0.00	1	\$0.00	\$0.00		
		LITTLE ROCK TOTAL				78	\$81.95	\$983.39	2,520	\$2,647.59	\$31,771.12	2,598	\$2,729.54	\$32,754.51	
		CENTRAL WEST	NEWELL/KANNAPOLIS	PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC										
PL-MV75-SUB-IN-NC	PL-LED50-EP-NC														
PL-MV41-SUB-IN-NC	PL-LED50-EP-NC														
PL-MV152-URB-IN-NC	PL-LED150-EP-NC														
PL-MV75-URB-IN-NC	PL-LED50-EP-NC														
NEWELL/KANNAPOLIS TOTAL															
CENTRAL WEST	GASTONIA	PL-MV152-URB-IN-NC	PL-LED150-EP-NC	6		\$1.74	\$20.92	34	\$10.23	\$122.76	40	\$11.97	\$143.68		
		PL-MV152-URB-OUT-NC	PL-LED150-EP-NC	0		\$0.00	-\$0.05	0	-\$0.02	-\$0.29	0	-\$0.03	-\$0.33		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	19		\$52.00	\$623.97	113	\$305.11	\$3,661.33	132	\$357.11	\$4,285.29		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	145		\$176.04	\$2,112.43	854	\$1,032.95	\$12,395.36	999	\$1,208.98	\$14,507.79		
		PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC	1		\$1.02	\$12.26	7	\$6.00	\$71.94	8	\$7.02	\$84.20		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC	2		\$0.78	\$9.34	13	\$4.57	\$54.81	15	\$5.35	\$64.15		
		GASTONIA TOTAL				174	\$231.57	\$2,778.87	1021	\$1,358.83	\$16,305.91	1195	\$1,590.40	\$19,084.79	
		MOUNTAINS EAST	SHELBY	PL-MV75-SUB-IN-NC	PL-LED50-EP-NC										
				PL-MV41-SUB-IN-NC	PL-LED50-EP-NC										
				PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC										
SHELBY TOTAL															
MOUNTAINS EAST	BREVARD	PL-MV152-URB-IN-NC	PL-LED150-EP-NC												
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC												
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC												
		BREVARD TOTAL													
		MOUNTAINS EAST	HENDERSONVILLE	PL-MV152-URB-IN-NC	PL-LED150-EP-NC	28		\$8.53	\$102.30	91	\$27.38	\$328.61	120	\$35.91	\$430.91
				PL-MV152-URB-OUT-NC	PL-LED150-EP-NC	2		-\$0.10	-\$1.25	6	-\$0.33	-\$4.01	7	-\$0.44	-\$5.26
				PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	7		\$20.21	\$242.48	24	\$64.91	\$778.88	32	\$85.11	\$1,021.36
				PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	87		\$105.52	\$1,266.21	280	\$338.94	\$4,067.22	367	\$444.45	\$5,333.43
				PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC	4		\$3.55	\$42.64	14	\$11.41	\$136.96	18	\$14.97	\$179.60
				PL-MV75-URB-IN-NC	PL-LED50-EP-NC	2		\$0.90	\$10.78	8	\$2.88	\$34.62	11	\$3.78	\$45.39
PL-MV75-URB-OUT-NC	PL-LED50-EP-NC			0		\$0.00	\$0.00	1	\$0.00	\$0.00	2	\$0.00	\$0.00		
HENDERSONVILLE TOTAL				132	\$138.60	\$1,663.16	424	\$445.19	\$5,342.27	556	\$583.79	\$7,005.44			
MOUNTAINS EAST	SPINDALE	PL-MV152-URB-IN-NC	PL-LED150-EP-NC												
		PL-MV152-URB-OUT-NC	PL-LED150-EP-NC												
		PL-MV393-URB-IN-NC	PL-LED220-EP-NC												
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC												
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC												
		PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC												
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC												
		PL-MV75-URB-OUT-NC	PL-LED50-EP-NC												
		SPINDALE TOTAL													
		MOUNTAINS EAST	MARION	PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC										
PL-MV75-SUB-IN-NC	PL-LED50-EP-NC														
PL-MV41-SUB-IN-NC	PL-LED50-EP-NC														
PL-MV152-URB-IN-NC	PL-LED150-EP-NC														
PL-MV75-URB-IN-NC	PL-LED50-EP-NC														
PL-MV152-URB-OUT-NC	PL-LED150-EP-NC														
MARION TOTAL															
MOUNTAINS EAST	CHEROKEE/FRANKLIN/ROBB			PL-MV75-SUB-IN-NC	PL-LED50-EP-NC										
				CHEROKEE/FRANKLIN/ROBBINSVILLE TOTAL											
MOUNTAINS EAST	HICKORY			PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC										
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC												
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC												
		PL-MV152-URB-IN-NC	PL-LED150-EP-NC												
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC												
		HICKORY TOTAL													
		TRIAD NORTH	FAIRFAX	PL-MV152-URB-IN-NC	PL-LED150-EP-NC	51		\$15.33	\$183.99	131	\$39.20	\$470.41	182	\$54.53	\$654.39
				PL-MV152-URB-OUT-NC	PL-LED150-EP-NC	1		-\$0.06	-\$0.68	2	-\$0.14	-\$1.74	3	0 \$	(2.42)
				PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	461		\$1,243.82	\$14,925.80	1,178	\$3,180.13	\$38,161.50	1,638	\$442.4 \$	\$3,087.30
				PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	132		\$159.81	\$1,917.74	338	\$408.60	\$4,903.19	470	\$568 \$	\$6,820.93
PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC			1		\$0.89	\$10.71	3	\$2.28	\$27.38	4	\$3 \$	\$8.08		
PL-MV75-URB-IN-NC	PL-LED50-EP-NC			5		\$1.78	\$21.42	13	\$4.56	\$54.75	18	\$6 \$	\$76.17		
PL-MV75-URB-OUT-NC	PL-LED50-EP-NC			1		\$0.00	\$0.00	3	\$0.00	\$0.00	4	0 \$	-		
FAIRFAX TOTAL				652	\$1,421.58	\$17,058.97	1667	\$3,634.62	\$43,615.49	2319	\$5,056.21	\$60,674.46			
TRIAD NORTH	BURLINGTON			PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC										
				PL-MV75-SUB-IN-NC	PL-LED50-EP-NC										
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC												
		PL-MV152-URB-IN-NC	PL-LED150-EP-NC												
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC												
BURLINGTON TOTAL															
TRIAD NORTH	HIGH POINT	PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC												
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC												
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC												
		PL-MV152-URB-IN-NC	PL-LED150-EP-NC												
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC												
HIGH POINT TOTAL															
Total Conversions				1,036	\$1,873.70	\$22,484.39	5632	\$8,086.23	\$97,034.80	6668	\$9,959.93	\$119,519.19			

Duke Energy Carolinas, LLC
Outdoor Lighting Schedule PL
Mercury Vapor Conversion Project Semiannual Report
2020 / 2021 Schedule by Duke Energy Operations Center

ZONE	OP CENTER	MV_PRICE_SCHD_NAME	LED_PRICE_SCHD_NAME	Forecast January - June 2021			Forecast July - December 2021			Forecasted 2021 Activity				
				Quantity	Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.		
CENTRAL METRO	LITTLE ROCK	PL-MV152-URB-IN-NC	PL-LED150-EP-NC	219	\$65.69	\$788.22	219	\$65.69	\$788.22	438	\$131.37	\$1,576.44		
		PL-MV152-URB-OUT-NC	PL-LED150-EP-NC	1	-\$0.07	-\$0.86	1	-\$0.07	-\$0.86	2	-\$0.14	-\$1.71		
		PL-MV393-URB-IN-NC	PL-LED220-EP-NC	5	-\$36.86	-\$442.31	5	-\$36.86	-\$442.31	9	-\$73.72	-\$884.62		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	9	\$24.05	\$288.57	9	\$24.05	\$288.57	18	\$48.09	\$577.14		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	1,439	\$1,741.17	\$20,894.07	1,439	\$1,741.17	\$20,894.07	2,878	\$3,482.35	\$41,788.14		
		PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC	4	\$3.24	\$38.90	4	\$3.24	\$38.90	8	\$6.48	\$77.81		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC	51	\$18.28	\$219.31	51	\$18.28	\$219.31	102	\$36.55	\$438.62		
		PL-MV75-URB-OUT-NC	PL-LED50-EP-NC	1	\$0.00	\$0.00	1	\$0.00	\$0.00	1	\$0.00	\$0.00		
		LITTLE ROCK TOTAL				1,728	\$1,815.49	\$21,785.91	1,728	\$1,815.49	\$21,785.91	3,456	\$3,630.99	\$43,571.82
		CENTRAL WEST	NEWELL/KANNAPOLIS	PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC				11	\$9.10	\$109.25	11	\$9.10	\$109.25
PL-MV75-SUB-IN-NC	PL-LED50-EP-NC						1,377	\$1,666.77	\$20,001.24	1,377	\$1,666.77	\$20,001.24		
PL-MV41-SUB-IN-NC	PL-LED50-EP-NC						6	\$15.96	\$191.55	6	\$15.96	\$191.55		
PL-MV152-URB-IN-NC	PL-LED150-EP-NC						59	\$17.74	\$212.83	59	\$17.74	\$212.83		
PL-MV75-URB-IN-NC	PL-LED50-EP-NC						25	\$8.87	\$106.42	25	\$8.87	\$106.42		
NEWELL/KANNAPOLIS TOTAL							1,478	\$1,718.44	\$20,621.29	1,478	\$1,718.44	\$20,621.29		
CENTRAL WEST	GASTONIA	PL-MV152-URB-IN-NC	PL-LED150-EP-NC	29	\$8.66	\$103.88	29	\$8.66	\$103.88	29	\$8.66	\$103.88		
		PL-MV152-URB-OUT-NC	PL-LED150-EP-NC	0	-\$0.02	-\$0.24	0	-\$0.02	-\$0.24	0	-\$0.02	-\$0.24		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	96	\$258.19	\$3,098.32	96	\$258.19	\$3,098.32	96	\$258.19	\$3,098.32		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	722	\$874.11	\$10,489.32	722	\$874.11	\$10,489.32	722	\$874.11	\$10,489.32		
		PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC	6	\$5.07	\$60.88	6	\$5.07	\$60.88	6	\$5.07	\$60.88		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC	11	\$3.87	\$46.38	11	\$3.87	\$46.38	11	\$3.87	\$46.38		
GASTONIA TOTAL				864	\$1,149.88	\$13,798.54	864	\$1,149.88	\$13,798.54	864	\$1,149.88	\$13,798.54		
CENTRAL WEST	SHELBY	PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	621	\$751.12	\$9,013.48	621	\$751.12	\$9,013.48	621	\$751.12	\$9,013.48		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	357	\$964.50	\$11,574.04	357	\$964.50	\$11,574.04	357	\$964.50	\$11,574.04		
		PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC	21	\$17.65	\$211.81	21	\$17.65	\$211.81	21	\$17.65	\$211.81		
SHELBY TOTAL				999	\$1,733.28	\$20,799.34	999	\$1,733.28	\$20,799.34	999	\$1,733.28	\$20,799.34		
MOUNTAINS EAST	BREVARD	PL-MV152-URB-IN-NC	PL-LED150-EP-NC											
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC											
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC											
	BREVARD TOTAL													
	MOUNTAINS EAST	HENDERSONVILLE	PL-MV152-URB-IN-NC	PL-LED150-EP-NC										
			PL-MV152-URB-OUT-NC	PL-LED150-EP-NC										
			PL-MV41-SUB-IN-NC	PL-LED50-EP-NC										
			PL-MV75-SUB-IN-NC	PL-LED50-EP-NC										
			PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC										
			PL-MV75-URB-IN-NC	PL-LED50-EP-NC										
HENDERSONVILLE TOTAL														
MOUNTAINS EAST	SPINDALE	PL-MV152-URB-IN-NC	PL-LED150-EP-NC	38	\$11.40	\$136.75	38	\$11.40	\$136.75	38	\$11.40	\$136.75		
		PL-MV152-URB-OUT-NC	PL-LED150-EP-NC	22	-\$1.32	-\$15.80	22	-\$1.32	-\$15.80	22	-\$1.32	-\$15.80		
		PL-MV393-URB-IN-NC	PL-LED220-EP-NC	1	-\$6.76	-\$81.14	1	-\$6.76	-\$81.14	1	-\$6.76	-\$81.14		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	582	\$1,570.29	\$18,843.50	582	\$1,570.29	\$18,843.50	582	\$1,570.29	\$18,843.50		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	200	\$242.06	\$2,904.77	200	\$242.06	\$2,904.77	200	\$242.06	\$2,904.77		
		PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC	34	\$28.36	\$340.34	34	\$28.36	\$340.34	34	\$28.36	\$340.34		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC	9	\$3.34	\$40.11	9	\$3.34	\$40.11	9	\$3.34	\$40.11		
		PL-MV75-URB-OUT-NC	PL-LED50-EP-NC	3	\$0.00	\$0.00	3	\$0.00	\$0.00	3	\$0.00	\$0.00		
		SPINDALE TOTAL				888	\$1,847.38	\$22,168.53	888	\$1,847.38	\$22,168.53	888	\$1,847.38	\$22,168.53
MOUNTAINS EAST	MARION	PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC	12	\$9.88	\$118.55	4	\$3.59	\$43.14	16	\$13.47	\$161.68		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	573	\$693.32	\$8,319.88	209	\$252.29	\$3,027.51	782	\$945.62	\$11,347.39		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	52	\$139.36	\$1,672.33	19	\$50.71	\$608.54	70	\$190.07	\$2,280.88		
		PL-MV152-URB-IN-NC	PL-LED150-EP-NC	48	\$14.50	\$174.05	18	\$5.28	\$63.34	66	\$19.78	\$237.39		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC	29	\$10.35	\$124.19	10	\$3.77	\$45.19	39	\$14.12	\$169.38		
		PL-MV152-URB-OUT-NC	PL-LED150-EP-NC	7	-\$0.65	-\$7.84	2	-\$0.24	-\$2.85	9	-\$0.89	-\$10.69		
		MARION TOTAL				720	\$866.76	\$10,401.16	262	\$315.41	\$3,784.87	982	\$1,182.17	\$14,186.03
		CHEROKEE/FRANKLIN/ROBB	PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	460	\$556.60	\$6,679.20	460	\$556.60	\$6,679.20	460	\$556.60	\$6,679.20	
		CHEROKEE/FRANKLIN/ROBBINSVILLE TOTAL				460	\$556.60	\$6,679.20	460	\$556.60	\$6,679.20	460	\$556.60	\$6,679.20
MOUNTAINS EAST	HICKORY	PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC				17	\$14.03	\$168.34	17	\$14.03	\$168.34		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC				1,246	\$1,507.97	\$18,095.67	1,246	\$1,507.97	\$18,095.67		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC				469	\$1,265.92	\$15,191.08	469	\$1,265.92	\$15,191.08		
		PL-MV152-URB-IN-NC	PL-LED150-EP-NC				139	\$41.58	\$499.00	139	\$41.58	\$499.00		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC				200	\$71.84	\$862.14	200	\$71.84	\$862.14		
HICKORY TOTAL							2,070	\$2,901.35	\$34,816.23	2,070	\$2,901.35	\$34,816.23		
TRIAD NORTH	FAIRFAX	PL-MV152-URB-IN-NC	PL-LED150-EP-NC	219	\$65.80	\$789.56	219	\$65.80	\$789.56	219	\$65.80	\$789.56		
		PL-MV152-URB-OUT-NC	PL-LED150-EP-NC	4	-\$0.24	-\$2.92	4	-\$0.24	-\$2.92	4	-\$0.24	-\$2.92		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC	1,977	\$5,337.73	\$64,052.72	1,977	\$5,337.73	\$64,052.72	1,977	\$5,337.73	\$64,052.72		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC	567	\$685.82	\$8,229.83	567	\$685.82	\$8,229.83	567	\$685.82	\$8,229.83		
		PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC	5	\$3.83	\$45.95	5	\$3.83	\$45.95	5	\$3.83	\$45.95		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC	21	\$7.66	\$91.90	21	\$7.66	\$91.90	21	\$7.66	\$91.90		
		PL-MV75-URB-OUT-NC	PL-LED50-EP-NC	5	\$0.00	\$0.00	5	\$0.00	\$0.00	5	\$0.00	\$0.00		
		FAIRFAX TOTAL				2,798	\$6,100.59	\$73,207.05	2,798	\$6,100.59	\$73,207.05	2,798	\$6,100.59	\$73,207.05
TRIAD NORTH	BURLINGTON	PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC				12	\$9.70	\$116.38	12	\$9.70	\$116.38		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC				556	\$673.36	\$8,080.29	556	\$673.36	\$8,080.29		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC				586	\$1,581.50	\$18,978.05	586	\$1,581.50	\$18,978.05		
		PL-MV152-URB-IN-NC	PL-LED150-EP-NC				78	\$23.32	\$279.86	78	\$23.32	\$279.86		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC				28	\$10.25	\$123.03	28	\$10.25	\$123.03		
BURLINGTON TOTAL							1,260	\$2,298.13	\$27,577.61	1,260	\$2,298.13	\$27,577.61		
TRIAD NORTH	HIGH POINT	PL-MV75-SUB-OUT-NC	PL-LED50-EP-NC				14	\$12.09	\$145.14	14	\$12.09	\$145.14		
		PL-MV75-SUB-IN-NC	PL-LED50-EP-NC				147	\$177.71	\$2,132.52	147	\$177.71	\$2,132.52		
		PL-MV41-SUB-IN-NC	PL-LED50-EP-NC				221	\$596.11	\$7,153.32	221	\$596.11	\$7,153.32		
		PL-MV152-URB-IN-NC	PL-LED150-EP-NC				74	\$22.17	\$266.09	74	\$22.17	\$266.09		
		PL-MV75-URB-IN-NC	PL-LED50-EP-NC				23	\$8.29	\$99.52	23	\$8.29	\$99.52		
HIGH POINT TOTAL							479	\$816.38	\$9,796.60	479	\$816.38	\$9,796.60		
Total Conversions				8,457	\$14,069.98	\$168,839.73	7,277	\$9,865.21	\$118,382.50	15,734	\$23,935.19	\$287,222.23		

Duke Energy Carolinas, LLC
Outdoor Lighting Schedule PL
Mercury Vapor Conversion Project Semiannual Report
2020 / 2021 Schedule By Duke Energy Operations Center

						PREV ACT./PROJ COMPLETIONS	CURR. ACT/PROJ COMPLETIONS	Cumulative Counts	
Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	2020 H1 AC	EOY Totals	Actual Completions	
HENDERSONVILLE - 132						132		132	
DURHAM/FAIRFAX - 652						652		652	
GASTONIA - 174						174		174	
LITTLE ROCK - 78						78		78	
Grand Total						1036		1036	
Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020 H2 PC	EOY Totals	EOY Totals	2020 Cumulative Actuals
HENDERSONVILLE - 424						1126	1258	424	556
FAIRFAX - 1667						1269	1921	1667	2319
GASTONIA - 1021						1514	1688	1021	1195
LITTLE ROCK - 2520						1522	1600	2520	2598
Grand Total						5431	6467	5632	6668
Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	2021 H1 PC		Projected Completions	
SPINDALE - Projected 888		CHEROKEE, FRANKLIN ROBBINSVILLE - Projected 460		MARION - Projected 720		2068		2068	
FAIRFAX - Projected 2798						2798		2798	
GASTONIA - Projected 864			SHELBY - Projected 999			1863		1863	
LITTLE ROCK - Projected 1728						1728		1728	
Grand Total						8457		8457	
Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21		2021 H2 PC	EOY PC	2021 Cumulative Projected
MARION - Projected 262	HICKORY - Projected 2070						2332	4400	4956
BURLINGTON - Projected 1260			HIGH POINT - Projected 479				1739	4537	6856
NEWELL/KANNAPOLIS - Projected 1478							1478	3341	4536
LITTLE ROCK - Projected 1728							1728	3456	6054
Grand Total							7277	15734	22402

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Carolinas, LLC's Semiannual Lighting Conversion Progress Report, in Docket No. E-7, Sub 1146, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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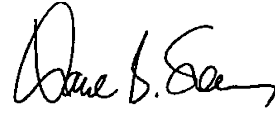
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This the 1st day of April, 2021.



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